

[54] TEST EQUIPMENT FOR A TELETEX
TELEVISION RECEIVER

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[21] Appl. No.: 205,942

[22] Filed: Nov. 12, 1980

[30] Foreign Application Priority Data

Nov. 22, 1979 [FR] France 79 29335

[51] Int. Cl.³ H04N 7/02; H04N 9/62

[52] U.S. Cl. 358/139; 328/162;
370/13; 370/17; 375/10; 455/9

[58] Field of Search 358/139; 455/9; 375/10;
370/13, 17; 179/175.3 R; 328/162

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[57] ABSTRACT

This test equipment permits a testing of the demodula-
tor of a teletex television receiver. It consists of a digital
test signal generator, the output of which is connected
to the HF input of the television, and a receiver, the
input of which is connected to the video output of said
receiver. The generator transmits pseudo-random data
packets having a first frequency of binary elements,
with two double-interval binary elements at two pre-
determined instants t_1 and t_2 for each packet. The re-
ceiver has a data regeneration circuit whose threshold
varies line by line from a maximum value to a minimum
value. The sampling clock of the receiver is at a second
frequency lower than the first by the ratio $(n-2)/n$,
where n is equal to the integral ratio of the first fre-
quency to the line frequency of the television. A suit-
able means insures resynchronization of the sampling
clock at the middle of each line. A receiving circuit for
the pseudo-random data detects the errors which are
transmitted to the video input of the television.

9 Claims, 37 Drawing Figures

